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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/070,684	09/12/2002	Tomoko Ohtsuki	112162	9272	
7	590 03/23/2005		EXAMINER		
Oliff & Berrio	•	RODRIGUEZ, ARMANDO			
PO Box 19928 Alexandria, V.		ART UNIT	PAPER NUMBER		
,		2828			
			DATE MAILED: 03/23/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

-		Application	n No.	Applicant(s)				
		10/070,68	<b>:</b> 4	OHTSUKI, TOMOKO				
	Office Action Summary	Examiner		Art Unit				
		ARMANDO	ORODRIGUEZ	2828				
Period f	The MAILING DATE of this communi or Reply	cation appears on the	cover sheet with the o	correspondence addre	ss			
THE - External after of the control	MAILING DATE OF THIS COMMUNION OF THE PROPERTY OF THIS COMMUNION OF THE PROPERTY OF THIS COMMUNION OF THIS COMMUNICATION OF THIS COMMU	CATION. of 37 CFR 1.136(a). In no eve unication. l) days, a reply within the statu tutory period will apply and wi will, by statute, cause the appl	ent, however, may a reply be ting story minimum of thirty (30) day Il expire SIX (6) MONTHS from ication to become ABANDONE	mely filed ys will be considered timely. In the mailing date of this comm ED (35 U.S.C. § 133).	nunication.			
Status								
1)⊠	Responsive to communication(s) file	d on <i>14 July 2004</i> .						
2a)□		tb)⊠ This action is n	on-final.					
3)□	<u> </u>							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposit	tion of Claims							
4)🛛	Claim(s) 1-64 is/are pending in the a	pplication.						
	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)🖂	Claim(s) <u>1-25,27-33,35-39,41-45,47-51,53-57 and 59-63</u> is/are allowed.							
6)⊠	Claim(s) <u>26,34,40,46,52,58 and 64</u> is/are rejected.							
7)								
8)	Claim(s) are subject to restrict	tion and/or election re	equirement.					
Applicat	tion Papers							
9)[	The specification is objected to by the	e Examiner.						
10)	)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
•	Applicant may not request that any object	tion to the drawing(s) b	e held in abeyance. Se	e 37 CFR 1.85(a).				
	Replacement drawing sheet(s) including	•	<del>-</del> , .	•	` ,			
11)[	The oath or declaration is objected to	by the Examiner. No	te the attached Office	Action or form PTO-	152.			
Priority	under 35 U.S.C. § 119			`				
a)	Acknowledgment is made of a claim for the priority of the prio	documents have bee documents have bee of the priority docume nal Bureau (PCT Rule	n received. n received in Applicat ents have been receive e 17.2(a)).	tion No ed in this National Sta	age			
Attachmer	nt(s)							
	ce of References Cited (PTO-892)		4) Interview Summary					
3) 🔯 Infor	ce of Draftsperson's Patent Drawing Review (P <sup>-</sup> rmation Disclosure Statement(s) (PTO-1449 or I er No(s)/Mail Date <u>7-14-2004</u> .		Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	eate Patent Application (PTO-15	52)			

#### **DETAILED ACTION**

### Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on July 14, 2004 has been entered.

# Information Disclosure Statement

The information disclosure statement filed July 14, 2004 fails to comply with the provisions of 37 CFR 1.97, 1.98 and MPEP § 609 because the information disclosure statement does not comply with 37 CFR 1.98 (3) (ii), no English language translation of a non-English language document or portion thereof has submitted for the crossed-out document. It has been placed in the application file, but the information referred to therein has not been considered as to the merits. Applicant is advised that the date of any re-submission of any item of information contained in this information disclosure statement or the submission of any missing element(s) will be the date of submission for purposes of determining compliance with the requirements based on the time of filing the statement, including all certification requirements for statements under 37 CFR 1.97(e). See MPEP § 609 ¶ C(1).

## Claim Objections

Claims 26,34,40,46,52,58 and 64 objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Claims 26,34,40,46,52,58 and 64 recite the light source of their respective parent claim and do not recite any limitation to further limit the light source but only labels the light source as a test device and only recites an intended use.

# Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 26,34,40,46,52,58 and 64 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claims 26,34,40,46,52,58 and 64,

It is not within the claim language if applicant intends to claim an apparatus as in the parent claims or a process in a manufacturing device as implied in the dependent claims, therefore the dependent claims are ambiguous.

## Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

Claims 1-25,27-33,35-39,41-45,47-51,53-57 and 59-63 are allowed. After reviewing applicant's amendment and conducting an updated search of none of the

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searched prior arts alone or in combination discloses the claimed laser with the recited structural combination of independent claims 1,2,5,9,11,13,17.

Regarding claims 1,19-25,27,28,

None of the searched prior arts discloses the structural combination of independent claim 1, having a laser light generator, an optical fiber amplifier and in particular having a plurality of nonlinear crystals for wavelength converting with a plurality of temperature controllers for tune phase matching angles at the time of wavelength conversion and generating ultraviolet light.

Regarding claims 2-4,29-33,

None of the searched prior arts discloses the structural combination of independent claim 2, having a laser light generator, an optical fiber amplifier and in particular having a plurality of nonlinear crystals for wavelength converting and generating ultraviolet light.

Regarding claims 5-8,35-39,

None of the searched prior arts discloses the structural combination of independent claim 5, having a laser light generator, an optical fiber amplifier and in particular having a plurality of nonlinear crystals for wavelength converting and generating ultraviolet light.

Regarding claims 9,10,41-45,

None of the searched prior arts discloses the structural combination of independent claim 9, having a laser light generator, an optical fiber amplifier and in

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particular having a plurality of nonlinear crystals for wavelength converting and generating ultraviolet light.

Regarding claims 11,12,15,16,47-51,

None of the searched prior arts discloses the structural combination of independent claim 11, having a laser light generator, an optical fiber amplifier and in particular having a plurality of nonlinear crystals for wavelength converting generating ultraviolet light and a plurality of relay optical systems.

Regarding claims 13,14,53-57,

None of the searched prior arts discloses the structural combination of independent claim 13, having a laser light generator, a plurality of optical fiber amplifier a nonlinear crystal for wavelength converting generating ultraviolet light and anisotropic optical system.

Regarding claims 17,18,59-63,

None of the searched prior arts discloses the structural combination of independent claim 17, having a laser light generator, an optical fiber amplifier and in particular having a plurality of nonlinear crystals for wavelength converting and generating ultraviolet light.

Claims 26,34,40,46,52,58 and 64 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ARMANDO RODRIGUEZ whose telephone number is 571-272-1952. The examiner can normally be reached on 9:00 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MINSUN HARVEY can be reached on 571-272-1835. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ARMANDO RODRIGUEZ

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